

In the Claims:

This listing replaces all previous versions and listings of claims in the application.

Listing of Claims:

1. (Currently amended) A dual flow convection oven comprising:

an insulated housing,

a heat conducting liner disposed within said housing and spaced away from the walls thereof defining the a cooking cavity of said oven, said liner having rear and side walls and a top wall and a bottom wall, said rear wall having a port therethrough therethrough, wherein the liner is configured so that products of combustion enter the cooking chamber through said port only after traversing an outside of at least two additional walls of said liner;

a gas burner means disposed adjacent one of said walls between said housing and said liner for expelling hot the products of combustion into the a space between said liner and housing;

a squirrel cage fan mounted within said liner across the port in said back rear wall, said fan mounting an internal concave plate on one side of said fan and adjacent the port in said back wall; and

a baffle and guard assembly including a plate having a circular opening disposed in front of said fan and said opening being coaxially coaxial with said fan and a pair of diverter plates extending from said plate toward said liner back wall covering only a portion of the a circumference of said fan whereby heated air passing through the port and through the opening will be mixed and expelled by said fan into the cooking cavity.

2. (Original) The oven of claim 1 wherein said diverter plates are disposed at about two and eight o'clock around opening in said plate.

3. (Currently amended) The oven of claim 1 wherein a pathway around the space between the rear, side, top, and bottom walls of said liner is defined between said liner and housing whereby when said pathway configured for products of combustion to circulate through said pathway heating to heat said liner walls to generate radiant heat in said cavity.

4. (Original) The oven of claim 3 wherein the pathway adjacent the port in said back wall is unobstructed.

5. (Original) The oven of claim 1 wherein the opening in said plate has a mesh guard thereacross.

6. (Currently amended) The oven of claim 3 wherein plates are ~~no~~ not more than about three inches across.

7. (Currently amended) The oven of claim 1 wherein said burner means includes at least one in-shot burner.

8. (Currently amended) The oven of claim 7 further comprising: a burner control means for selectively changing the a maximum heat energy of said combustion from a first to a second value.

9. (Original) The oven of claim 8 wherein said first value is 60,000 BTUs and said second value is 80,000 BTUs.

10. (Currently amended) The oven of claim 7 wherein the burner comprises four burners are provided.

11. (New) The oven of Claim 1, wherein the squirrel cage fan and the internal concave plate are configured for separate intakes of the products of combustion and air from the cooking cavity.